Appl. Serial No. 10/774,051 Docket No.: GUID.027US01

Response to Restriction Requirement

IN THE CLAIMS

The entire set of pending claims, including any amendments to the claims, is submitted herewith pursuant to 37 CFR § 1.121(c)(3). This listing of claims will replace all prior versions, and listings of claims in the application.

(Original) A guiding catheter system, comprising:

 a flexible shaft having a distal end shaped for accessing a target

vessel; and

a handle assembly movably coupled to the flexible shaft, the flexible shaft selectably movable between a plurality of discrete positions of a first degree-of-freedom defined relative to the flexible shaft, the flexible shaft restrained in the first degree-of-freedom at each position of the plurality of discrete positions, the flexible shaft movable through a predetermined displacement of a second degree-of-freedom defined relative to the flexible shaft at each position of the plurality of discrete positions; and

wherein motion of the flexible shaft relative to the handle assembly results in a controllable sweeping motion at the distal end of the flexible shaft.

- 2. (Original) The guiding catheter system of claim 1, wherein the first degree-of-freedom comprises a longitudinal displacement relative to the flexible shaft, and the second degree-of-freedom comprises an axial rotation relative to the flexible shaft.
- 3. (Original) The guiding catheter system of claim 1, wherein the first degree-of-freedom comprises an axial rotation relative to the flexible shaft, and the second degree-of-freedom comprises a longitudinal displacement relative to the flexible shaft.
- 4. (Original) The guiding catheter system of claim 1, further comprising a tightening member provided between the flexible shaft and the handle assembly,

the tightening member providing a releasable coupling between the flexible shaft and the handle assembly.

- 5. (Original) The guiding catheter system of claim 4, wherein the flexible shaft is slidably positionable relative to the handle assembly in a released orientation of the tightening member, thereby allowing the flexible shaft to be adjustably positioned relative to the handle.
- 6. (Original) The guiding catheter system of claim 4, wherein the tightening member comprises a rotating hemostatic valve seal.
- 7. (Original) The guiding catheter system of claim 1, wherein the handle assembly comprises:
 - a housing; and
- a guide member attached to the flexible shaft, the guide member restrained in the first-degree-of freedom relative to the housing at each position of the plurality of positions and movable relative to the housing through the displacement of the second degree-of-freedom at each position of the plurality of positions.
- 8. (currently amended) The guiding catheter system of claim 1, wherein the handle <u>assemble assembly</u> comprises a guide member attached to the shaft, and a housing movable coupled to the guide member via a slot and pin arrangement.
- 9. (Original) The guiding catheter system of claim 8, wherein the slot and pin arrangement includes a serpentine slot provided on the guide member slidably coupled to a pin provided on the housing.

10. (Original) The guiding catheter system of claim 8, wherein the slot and pin arrangement includes a serpentine slot provided on the housing slidably coupled to a pin provided on the guide member.

Claims 11-17 (Cancelled).

18. (Original) A catheter assembly, comprising:

a flexible shaft having a distal end shaped for accessing a target vessel; means for selectably moving the shaft between a plurality of discrete positions of a first degree-of-freedom defined relative to the flexible shaft;

means for restraining a motion of the shaft in the first degree-of-freedom at each position of the plurality of discrete positions; and

means for moving the flexible shaft through a second degree-of-freedom defined relative to the flexible shaft at each position of the plurality of discrete positions.

- 19. (currently amended) The catheter assembly of claim 18, wherein the first degree-of-freedom comprises a linear longitudinal displacement relative to the flexible shaft, and the second degree-of-freedom comprises an axial rotation relative to the flexible shaft.
- 20. (currently amended) The guiding catheter system of claim 18, wherein the first degree-of-freedom comprises an axial rotation relative to the flexible shaft, and the second degree-of-freedom comprises a linear longitudinal displacement relative to the flexible shaft.